TABLE NO. [ ]

MULTIMEDIA UNIVERSITY

STUDENT ID NO. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2019/2020

TSE2251– SYSTEMS ANALYSIS AND DESIGN

(All Sections / Groups)

13 MARCH 2020
9.00 a.m. – 11.00 a.m.
(2 Hours)

Question	Marks
Total (50%)	

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of **NINE** pages with **SIX** questions only.
2. Answer any **FIVE** out of the **SIX** questions.
3. If you answer all questions, **ONLY** the FIRST five questions will be marked.
4. Each question carries **10 marks** and the maximum marks allotted are **50 marks**.
5. Please print all your answers **clearly** and **neatly** in the specified **ANSWER BOX** provided for each question.

Question No. 1

a. What are the five major phases of the systems development life cycle (SDLC)? Explain in detail two of them.

(4 marks)

b. List the key differences between a Gantt chart and a network diagram.

(3 marks)

Continued .....

c. What are the ways a project can close? Provide an example of each.

(3 marks)

Question No. 2

a. Define incremental commitment. Does it always result in a working system? Why or why not?

(3 marks)

Continued .....

b. Define tangible and intangible benefits and costs. What is the difference between the two?

(4 marks)

c. Define legal and contractual feasibility. Describe activities that may be involved in this feasibility study.

(3 marks)

Continued .....

Question No. 3

a. What is the difference between open-ended and closed-ended questions? Assume you are analyzing a classroom scheduling system. Identify an open-ended question and a closed-ended question you might ask.

(3 marks)

b. What is the definition of disruptive technologies? Identify two disruptive technologies and how they have eliminated long-held organizational rules.

(3 marks)

Continued .....

c. What do each of the four symbols in a DFD represent? Explain them in detail.
(4 marks)

Question No. 4

a. What are repeating groups and multivalued attributes? Provide an example of each.
(3 marks)

Continued .....

b. Define triggering operation. Provide an example and include the components.

(3 marks)

c. Summarize the four steps involved in transforming an E-R diagram into normalized relations and then merging them into one consolidated set of relations.

(4 marks)

Continued .....

Question No. 5

a. What are three possible solutions to the demand problem of too many Web sites and not enough user interface (UI) professionals?

(3 marks)

b. Briefly define three validation tests and techniques used to enhance the validity of data input.

(3 marks)

Continued .....

c. What are the four contributing factors that are believed to have led to the decline of interface design?

(4 marks)

Question No. 6

a. Briefly explain the four types of installation. In regards to MMU's application, what type of installation is most suited for CaMSys? Justify your answer.

(4 marks)

Continued .....

b. How can one distinguish between development and maintenance?

(3 marks)

c. Based on your experience, what is the most common maintenance issue for Web sites? Explain your answer.

(3 marks)

End of Page.